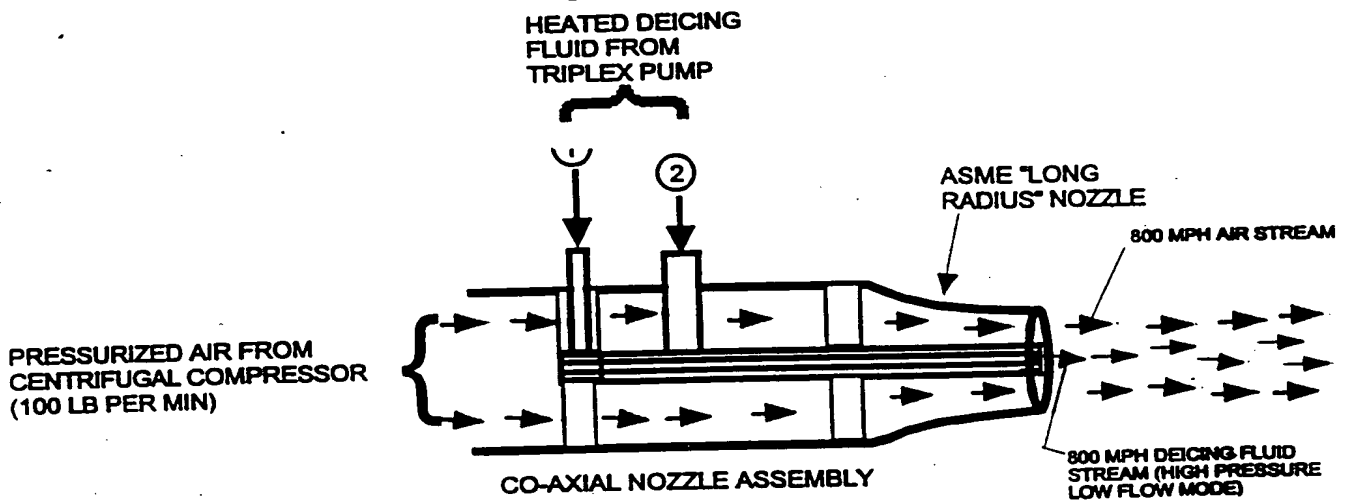
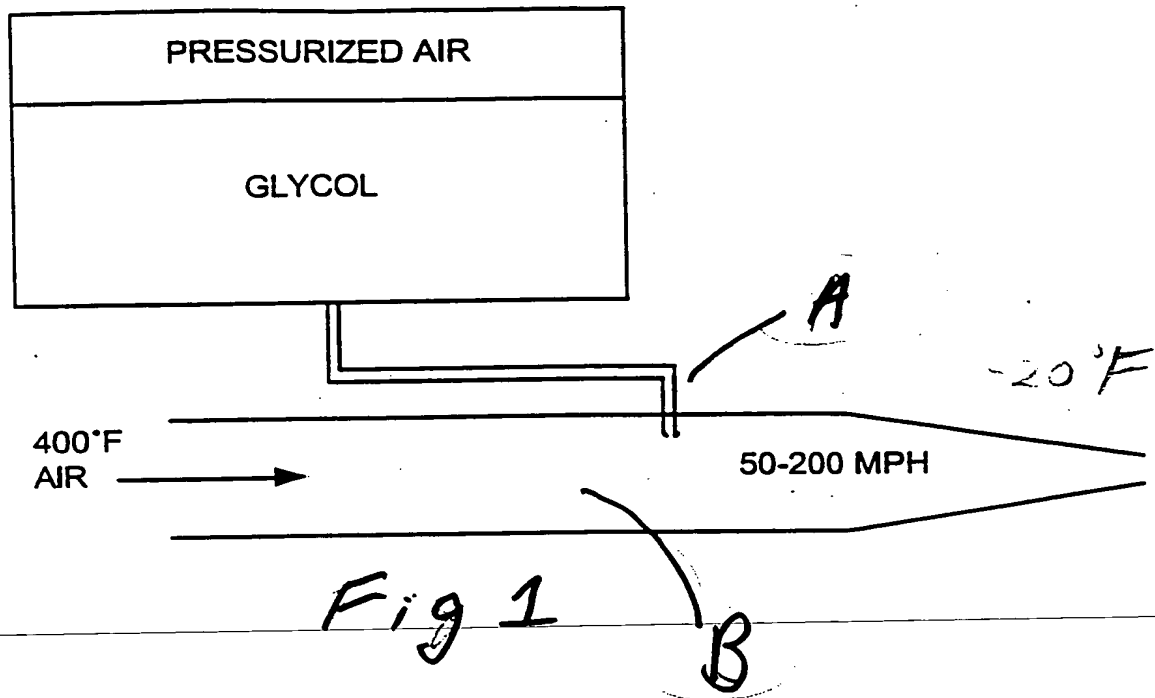


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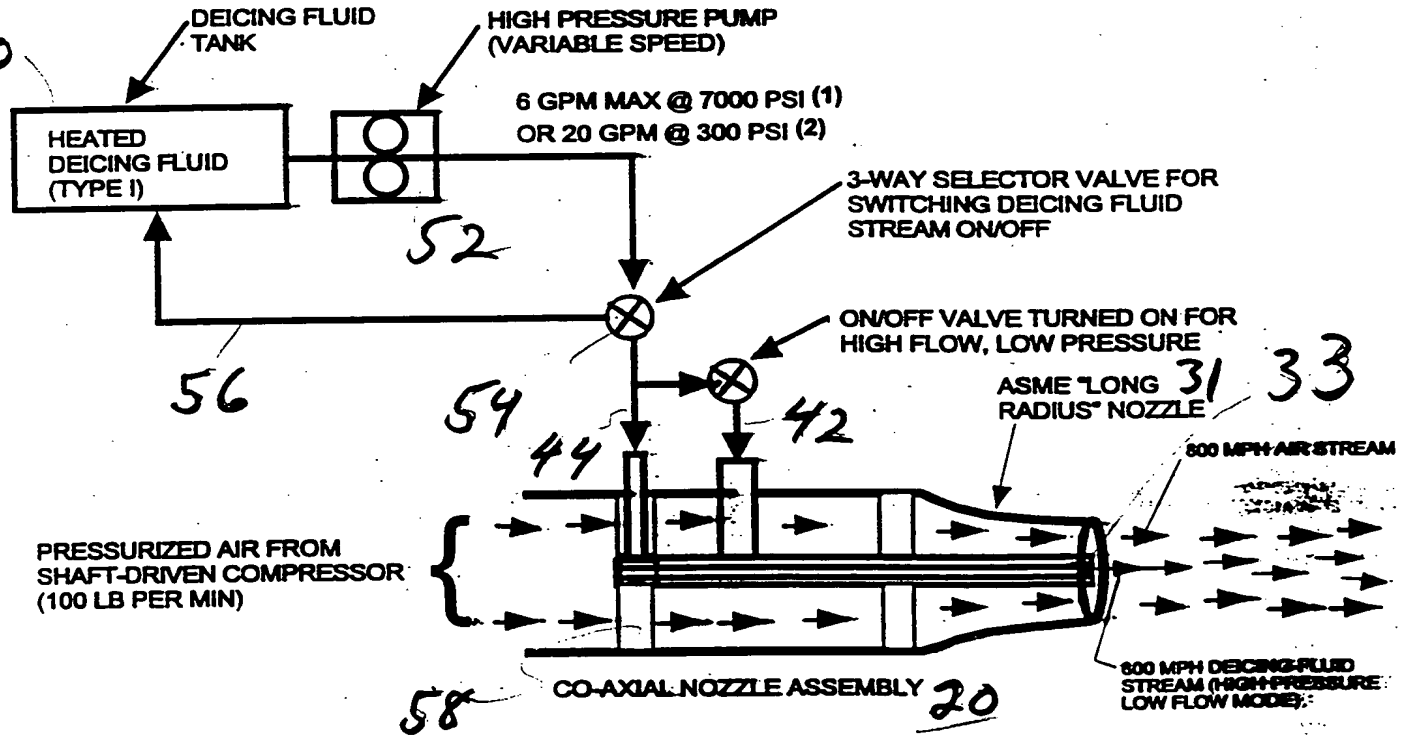
hard ice removal  
high flow (20 gpm), low  
pressure deicing fluid  
flows through these  
annular orifices

most deicing conditions  
low flow (6 gpm), high  
pressure deicing fluid  
flows through this 0.060  
inch diameter orifice



Fig 3

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- 1) HIGH PRESSURE/LOW FLOW MODE (MOST DEICING CONDITIONS)
- 2) LOW PRESSURE/HIGH FLOW MODE (HARD, THICK ICE)

Fig 4

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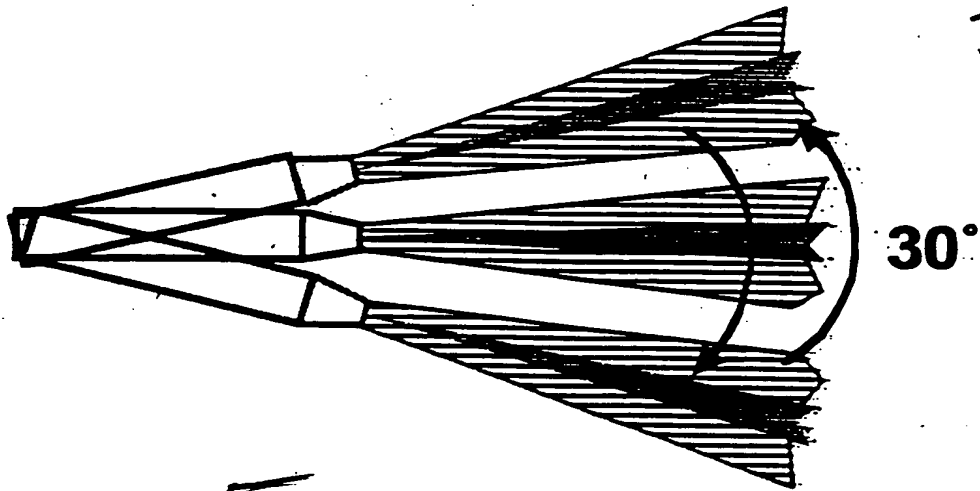
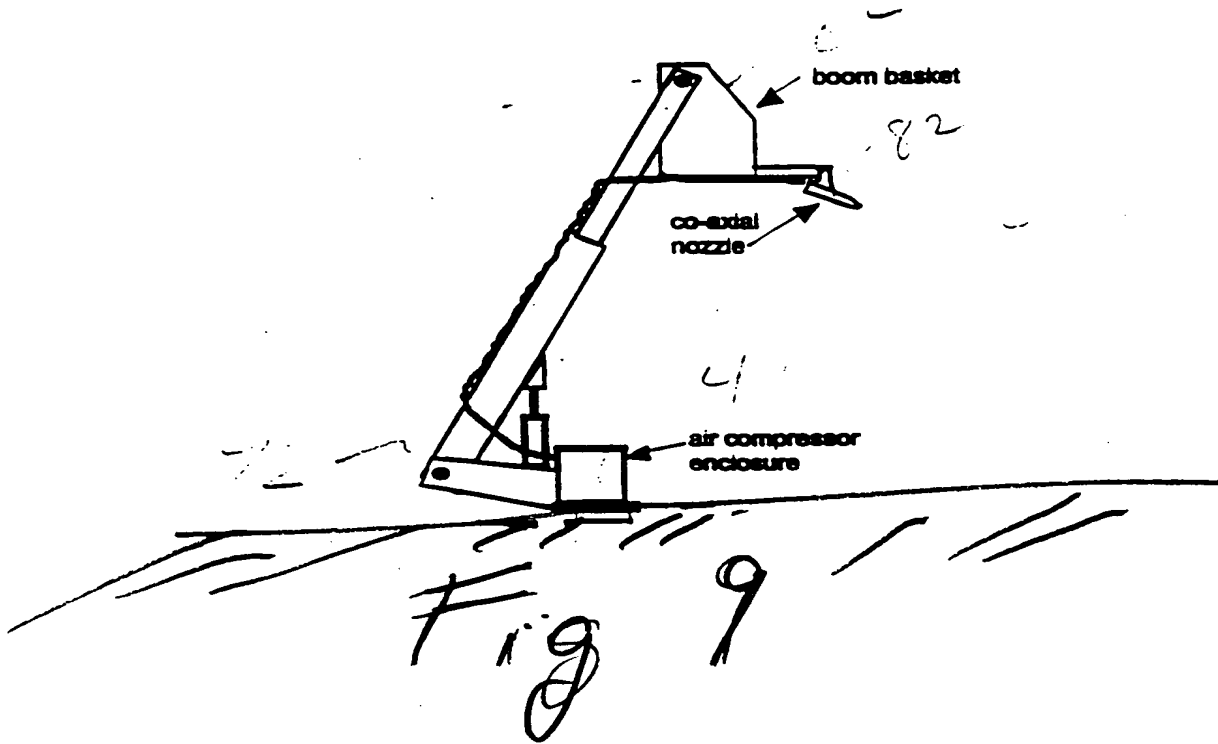
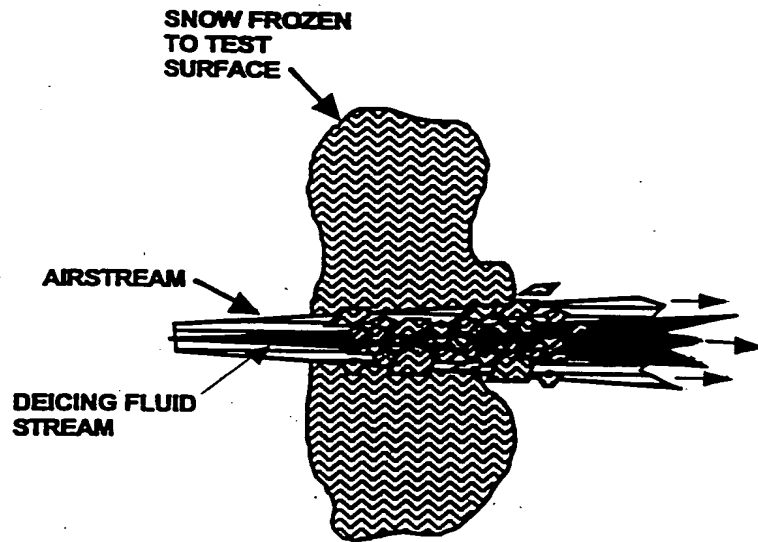


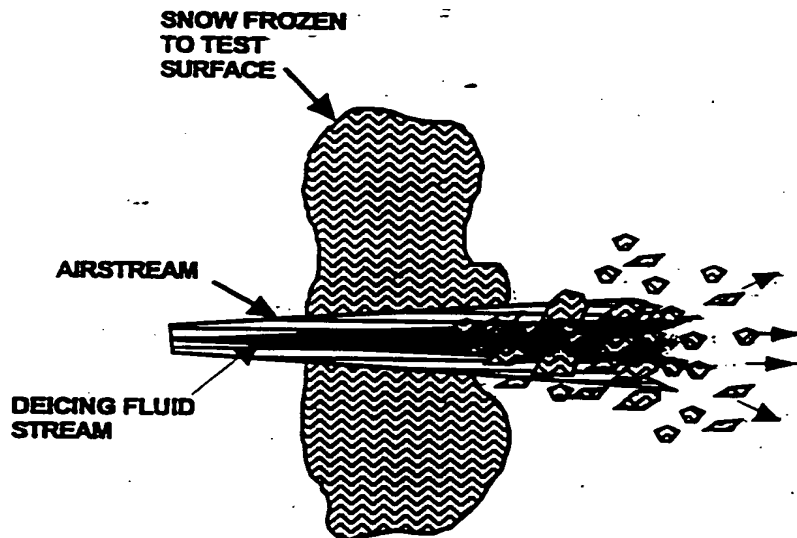
Fig 5



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**Fig. 6a. Frozen Snow Removal Process.** *The concentrated energy of the inner deicing fluid stream breaks loose the frozen snow.*



**Fig. 6b. Frozen Snow Removal Process.** *Both fluid streams work in concert to sweep away the loosened frozen snow.*

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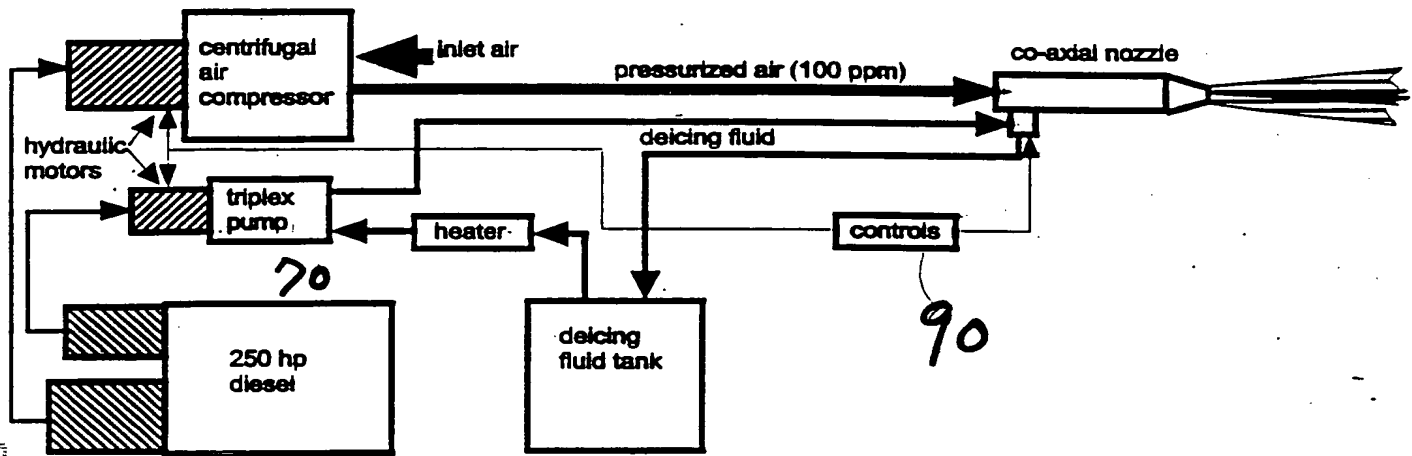


Fig 7

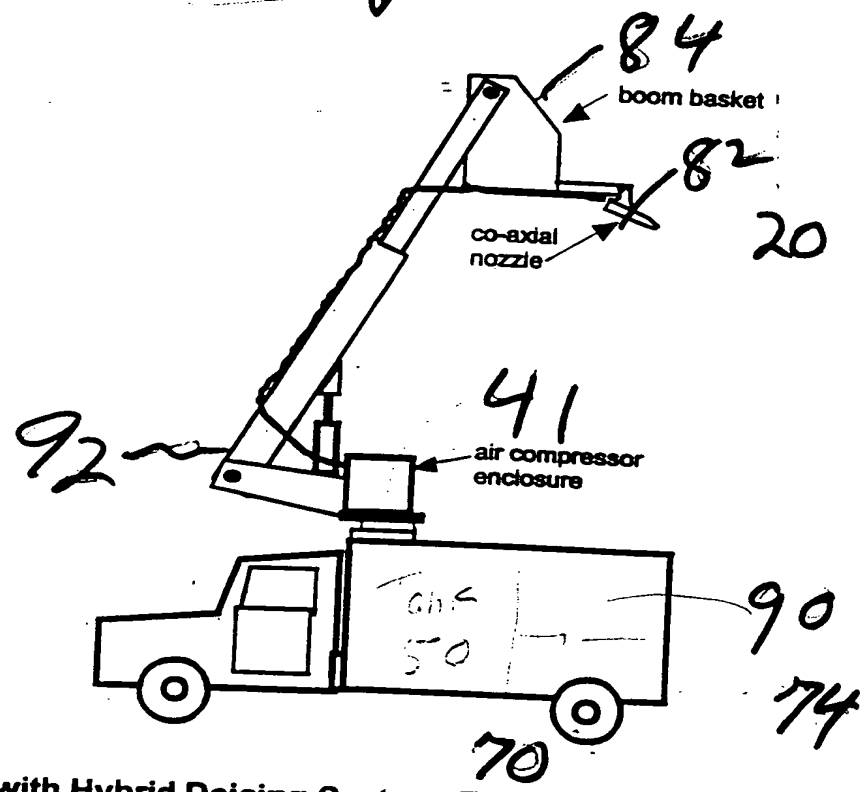


Fig. 8. Deicer Truck with Hybrid Deicing System. The compactness of the air compressor allow it to be located at th base of the deicing boom.